Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of <u>service-chaining a client device request for service,</u> ~~optimizing dissemination of information in a distributed environment, said method~~ comprising:

receiving a <u>client device</u> request <u>for an application program</u> at a first <u>physical</u> server ~~for at least one of an application program and data from a client~~;

~~retrieving at~~ <u>determining with a service-chaining module of</u> said first <u>physical</u> server <u>an identity of</u> a ~~location of a~~ second <u>physical</u> server within ~~said~~ <u>a</u> distributed environment <u>that stores</u> ~~storing said at least one of~~ said application program ~~and said data~~ associated with said <u>client device</u> request <u>for said application program</u>; <u>and</u>

<u>transmitting</u> ~~packaging~~ a message object <u>from said first physical server</u> <u>to said second physical server to enable said second physical server to directly service said client device request for said application program</u> ~~with data associated with said request for transmission to said second server; and transmitting said message object to said second server to allow said second server to directly service said client~~.

2. (currently amended) The method according to claim 1, further comprising:

receiving said message object at said second <u>physical</u> server; and

initiating ~~said~~ <u>a</u> servicing of said client <u>device request for said application</u> at said second <u>physical</u> server ~~in response to a determination of said second server as a provider of said at least one of said application program and said data~~.

3. (cancel)

4. (currently amended) The method according to claim 1, further comprising:

determining said ~~identity of said second physical server~~ at least one of said application program and said data associated with said request from a pre-defined profile; ~~determining if said second server is associated with said request;~~ and

selecting said second physical server from among a plurality of possible physical servers, said selected second physical server having ~~that is within~~ a most efficient path for transferring ~~each of said at one of~~ said application program ~~and said data~~ associated with said client device request for said application program ~~to said client~~.

5. (currently amended) The method according to claim 1, further comprising:

packaging said client device request for said application program and a storage location of ~~said at least one of~~ said application program ~~and said data providers~~ into an itinerary; and

forwarding said itinerary to said second physical server ~~associated with said request~~.

6. (currently amended) The method according to claim 5, further comprising:

completing a first service associated with said client device request for said application program, on said second physical server; and

initiating a second service from said second physical server in response to said completion of said first service.

7. (currently amended) A method of <u>service-chaining a client device request for service,</u> ~~optimizing dissemination of information in a distributed environment, the method~~ comprising:

determining <u>with a service-chaining module of</u> [[at]] a first <u>physical</u> server ~~a location of~~ <u>an identity of a second physical server within a distributed environment that stores a requested</u> ~~at least one of an~~ application program ~~and data~~ associated with a <u>client device</u> request <u>for said application program</u> ~~from a client~~; and

transmitting a message object containing data associated with said <u>client device</u> request <u>for said application program</u> to [[a]] <u>said</u> second <u>physical</u> server;

<u>wherein said second physical server is enabled to service said client device request for</u> ~~initiating a transfer of~~ ~~said at least one of~~ said application program ~~and said data~~ ~~from said second server~~ directly to said client <u>device that initially requested said application program from said first physical server</u> ~~in response to said determination of said location of said at least one of an application program and said data~~.

8-25. (canceled)